PATENT COOPERATION TREATY

PCT

REC'D	27	MOA	2002
-------	----	-----	------

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

MEORT PCT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		See Notifi	cation of Transmittal of International	
P00286PCT	FOR FURTHER ACTION	Preliminary Examination Report (Form PCT/IPEA/416)		
International application No.	International filing date (days	/month/year)	Priority date (day/month/year)	
PCT/FI01/00615	28.06.2001		25.08.2000	
International Patent Classification (IPC) o	r national classification and IF	°C7		
H04J 3/14, H04L 29/14				
Applicant	2]			
Nokia Corporation et	aT	· · · · · · · · · · · · · · · · · · ·		
This international preliminary example. Authority and is transmitted to the	mination report has been prep the applicant according to Artic	pared by this Inte de 36.	ernational Preliminary Examining	
•				
2. This REPORT consists of a total	of 3 sheets, in	cluding this cove	er sheet.	
This report is also accompa	anied by ANNEXES, i.e., sheet	ets of the descrip	tion, claims and/or drawings which have	
been amended and are the (see Rule 70.16 and Section	basis for this report and/or she n 607 of the Administrative Ir	ets containing restructions under	ectifications made before this Authority the PCT).	
These annexes consist of a total	of sheets.			
These afficaces consist of a total of	J1 SHOOLS.	<u></u>		
3. This report contains indications r	elating to the following items:	:		
I Basis of the report				
II Priority				
III Non-establishment	of opinion with regard to nove	lty, inventive ste	p and industrial applicability	
i				
			ventive step or industrial applicability:	
Reasoned statement under Article 35(2) with regard to noverty, inventive step or industrial applicability, citations and explanations supporting such statement				
VI Certain documents	VI Certain documents cited			
VII Certain defects in the	VII Certain defects in the international application			
VIII Certain observation	VIII Certain observations on the international application			
Date of submission of the demand		ate of completion	on of this report	
Date of submission of the demand		ate of completic	of this report	
24.01.2002 06.11.2002			2	
Name and mailing address of the IPEA/S Patent- och registreringsverke	t Telex	LULISUTIZEU UILIK		
Box 5055 S-102 42 STOCKHOLM	17978	eter Hec	lman/EÖ	
Facsimile No. 08-667 72 88			8-782 25 00	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/FI01/00615

I.	Bas	sis of the report	
1.	With	h regard to the elements of the international application:*	
	\boxtimes	the international application as originally filed	
İ		the description:	
		pages	, as originally filed
		pages	, filed with the demand
		pages	, filed with the letter of
		the claims:	
		pages	, as originally filed
		pages	, as amended (together with any statement) under article 19
		pages	, filed with the demand
		pages	, filed with the letter of
		the drawings:	
		pages	, as originally filed
		pages	, filed with the demand
		pages	, filed with the letter of
		the sequence listing part of the description:	
		pages	, as originally filed
		pages	, filed with the demand
		pages	, filed with the letter of
3.	These	n regard to the language, all the elements marked above were available or furnished to this Authority in the feelements were available or furnished to this Authority in the feelements were available or furnished to this Authority in the feelements were available or furnished for the purposes of interest the language of a translation furnished for the purposes of interest the language of publication of the international application (under the language of the translation furnished for the purposes of interest or 55.3). In regard to any nucleotide and/or amino acid sequence disclosed minary examination was carried out on the basis of the sequence contained in the international application in written form. If the first the subsequently to this Authority in written form. In furnished subsequently to this Authority in computer readable and the statement that the subsequently furnished written sequence international application as filed has been furnished.	der this item. following language which is: mational search (under Rule 23.1(b)). maternational preliminary examination (under Rules 55.2 and/ and in the international application, the international elisting: meadable form.
		The statement that the information recorded in computer readabeen furnished.	able form is identical to the written sequence listing has
4.		The amendments have resulted in the cancellation of:	
		the description, pages	
		the claims, Nos.	·
		the drawings, sheet/fig	
5.		This report has been established as if (some of) the amendmen beyond the disclosure as filed, as indicated in the Supplementa	ats had not been made, since they have been considered to go al Box (Rule 70.2 (c)).**
*	111 1/11	lacement sheets which have been furnished to the receiving Offic iis report as "originally filed" and are annexed to this report sin 70.17).	re in response to an invitation under Article 14 are referred to use they do not contain amendments (Rules 70.16
**	Any i	replacement sheet containing such amendments must be referred	d to under item I and annexed to this report.
For		T/IPEA/409 (Box I) (January 1998)	



International application No. PCT/FI01/00615

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

citations and explanations suppor	ting stien sta		
Statement			
Novelty (N)	Claims Claims	1-13	YES NO
Inventive step (IS)	Claims Claims	1-13	YES NO
Industrial applicability (IA)	Claims Claims	1-13	YES . NO
	Statement Novelty (N) Inventive step (IS)	Statement Novelty (N) Claims Claims Inventive step (IS) Claims Claims Industrial applicability (IA) Claims	Novelty (N) Claims Claims Inventive step (IS) Claims Claims 1-13 Claims Industrial applicability (IA) Claims 1-13

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: WO 9727542 A1 D2: EP 0576136 A2 D3: US 5491687 A D4: US 5671215 A

The cited documents represent the general state of the art. The invention defined in claims 1-13 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed method of filtering mechanism for a data stream without using compression and with minimal loss of channel information. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-13 is novel and is considered to involve an inventive step. The invention is industrially applicable.

			:
		40	
-			
	· · · · · · · · · · · · · · · · · · ·		7
		4	

PATENT COOPERATION TREATY

PCT

REC'D	27	MOA	2002
-------	----	-----	------

by Marie

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTIO		cation of Transmittal of International y Examination Report (Form PCT/IPEA/416)	
P00286PCT				
International application No.	International filing date (day	y/month/year)	Priority date (day/month/year)	
PCT/FI01/00615	28.06.2001		25.08.2000	
International Patent Classification (IPC) of HO4J 3/14, HO4L 29/14		PC ₇	!	
Applicant				
Nokia Corporation et	al			
Authority and is transmitted to the 2. This REPORT consists of a total	of 3 sheets, in	cle 36. ncluding this cove		
heen amended and are the	anied by ANNEXES, i.e., sne basis for this report and/or sh on 607 of the Administrative I	eets containing re	otion, claims and/or drawings which have ectifications made before this Authority the PCT).	
These annexes consist of a total	of sheets.			
This report contains indications in	elating to the following items	:	•	
I Basis of the report				
II Priority	II Priority			
III Non-establishment	of opinion with regard to nove	elty, inventive ste	p and industrial applicability	
IV Lack of unity of invention				
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
VI Certain documents cited				
VII Certain defects in the	VII Certain defects in the international application			
VIII Certain observations on the international application				
Date of submission of the demand	I	Date of completion	on of this report	
24.01.2002		06.11.200	2	
Name and mailing address of the IPEA/	~~	Authorized office	т	
Patent- och registreringsverke Box 5055 S-102 42 STOCKHOLM	17978 PATOREG-S	Peter Hed		
Facsimile No. 08-667 72 88		Telephone No. 0	8-782 25 00	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FI01/00615

I.	Basi	s of the report
1.	With	regard to the elements of the international application:*
	\boxtimes	the international application as originally filed
		the description:
		pages, as originally filed
		pages, filed with the demand
		pages, filed with the letter of
		the claims:
		pages, as originally filed
		pages, as amended (together with any statement) under article 19 pages, filed with the demand
		pages , filed with the demand
		the drawings:
		pages
		pages , filed with the demand
		pages , filed with the letter of
		the sequence listing part of the description:
		pages, as originally filed
		pages, filed with the demand
		pages, filed with the letter of
3.	These	ternational application was filed, unless otherwise indicated under this item. elements were available or furnished to this Authority in the following language which is: the language of a translation furnished for the purposes of international search (under Rule 23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/ or 55.3). regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international
	preim	ninary examination was carried out on the basis of the sequence listing: contained in the international application in written form.
	H	filed together with the international application in computer readable form.
	H	furnished subsequently to this Authority in written form.
	H	furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4.		The amendments have resulted in the cancellation of:
		the description, pages
		the claims, Nos.
		the drawings, sheet/fig
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2 (c)).**
*	in th	acement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to is report as "originally filed" and are annexed to this report since they do not contain amendments (Rules 70.16 70.17).
**	Any	replacement sheet containing such amendments must be referred to under item I and annexed to this report.
Trans	DC	T/IPE A /400 (Box D (Tanuary 1908)